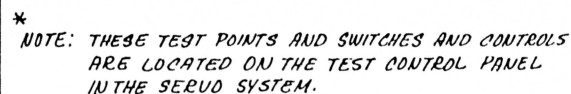


SCHEMATIC DIAGRAMS



DRAWN WJ. HANDLEY	DATE 2/8/62	UNLESS OTHERWISE SPECIFIED			
CHECKED	DATE	FRAC 1	DEC 1	ANG 1	FIN 1
		APPROVED	DATE	SCALE	

SERVO SYSTEM BLOCK DIAGRAM

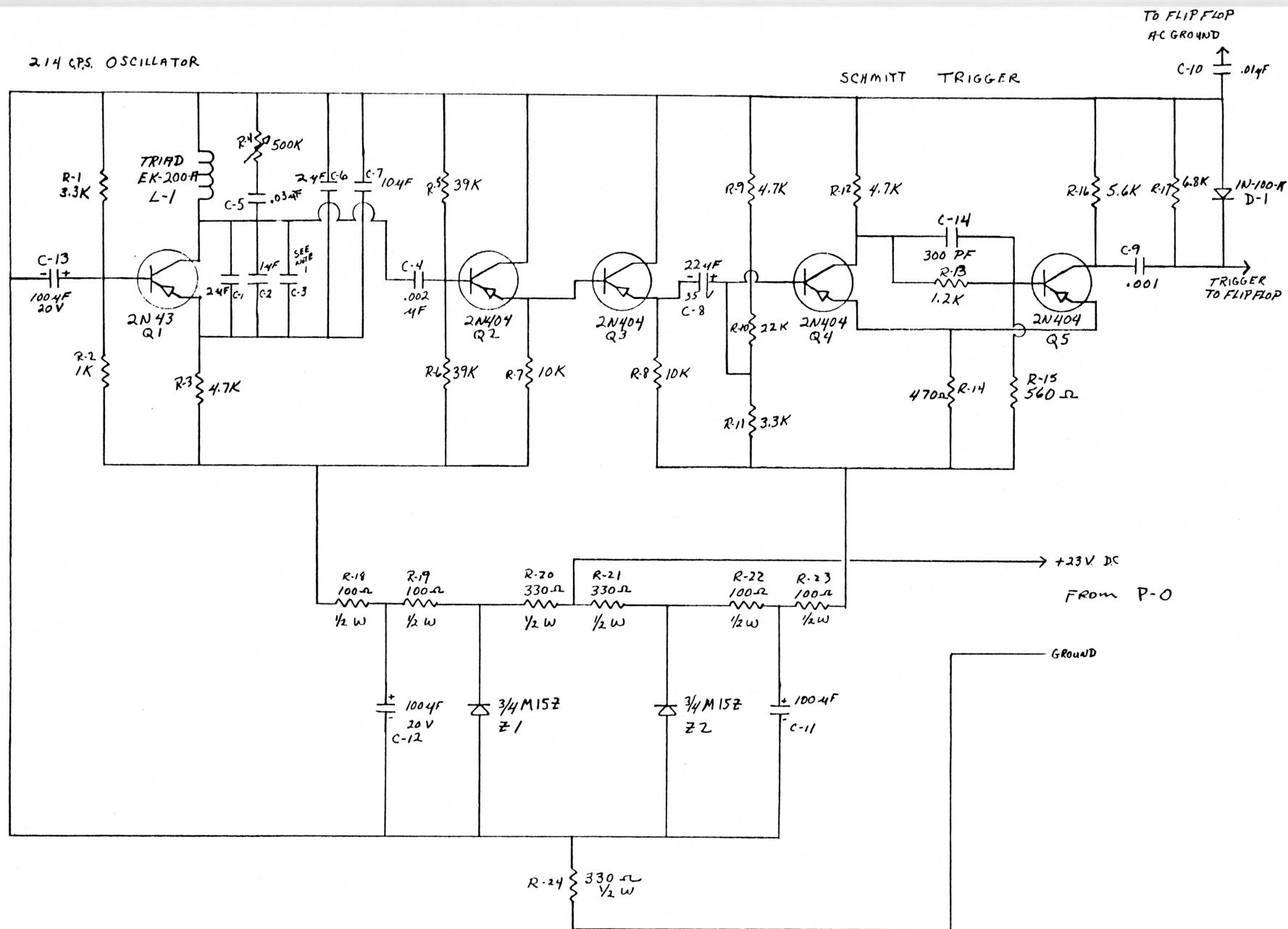
FINISH OR MFG SPEC	DIVISION	CLASS	CODE
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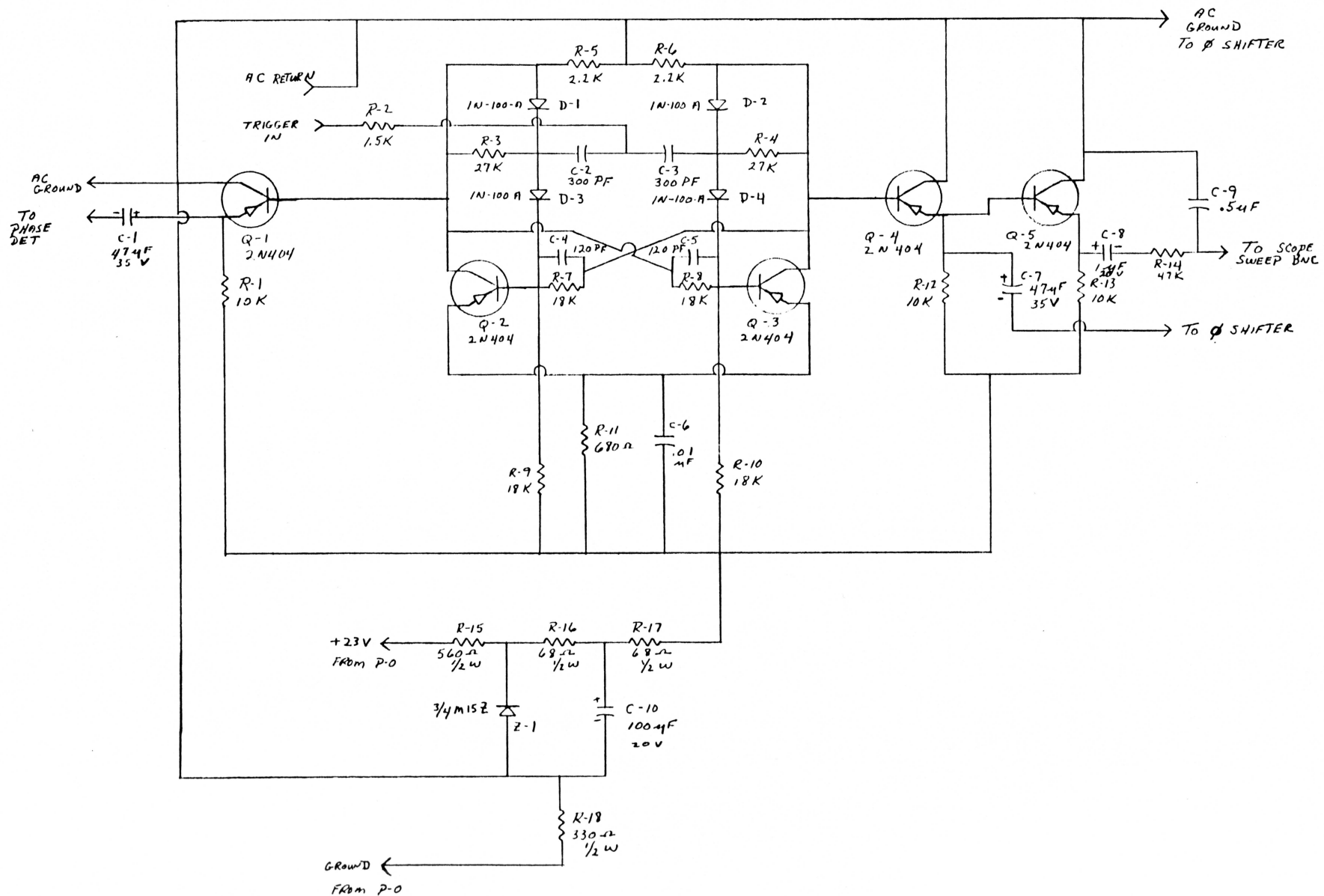
VARIAN associates
PALO ALTO 1 CALIFORNIA

c	SK27723
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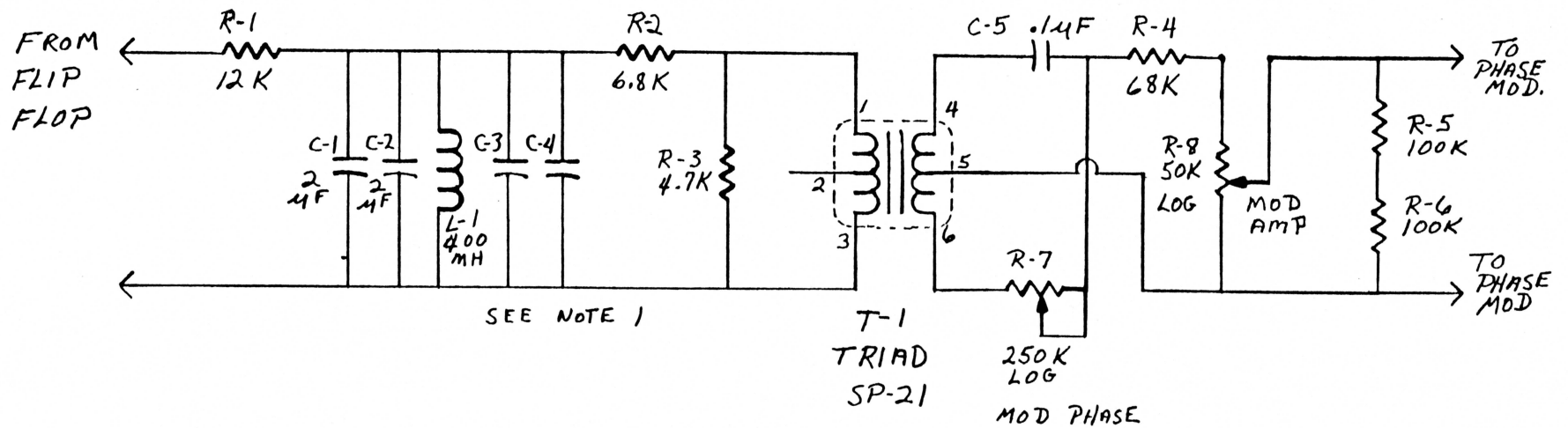
SIZE	DRAWING NO.	REVISION
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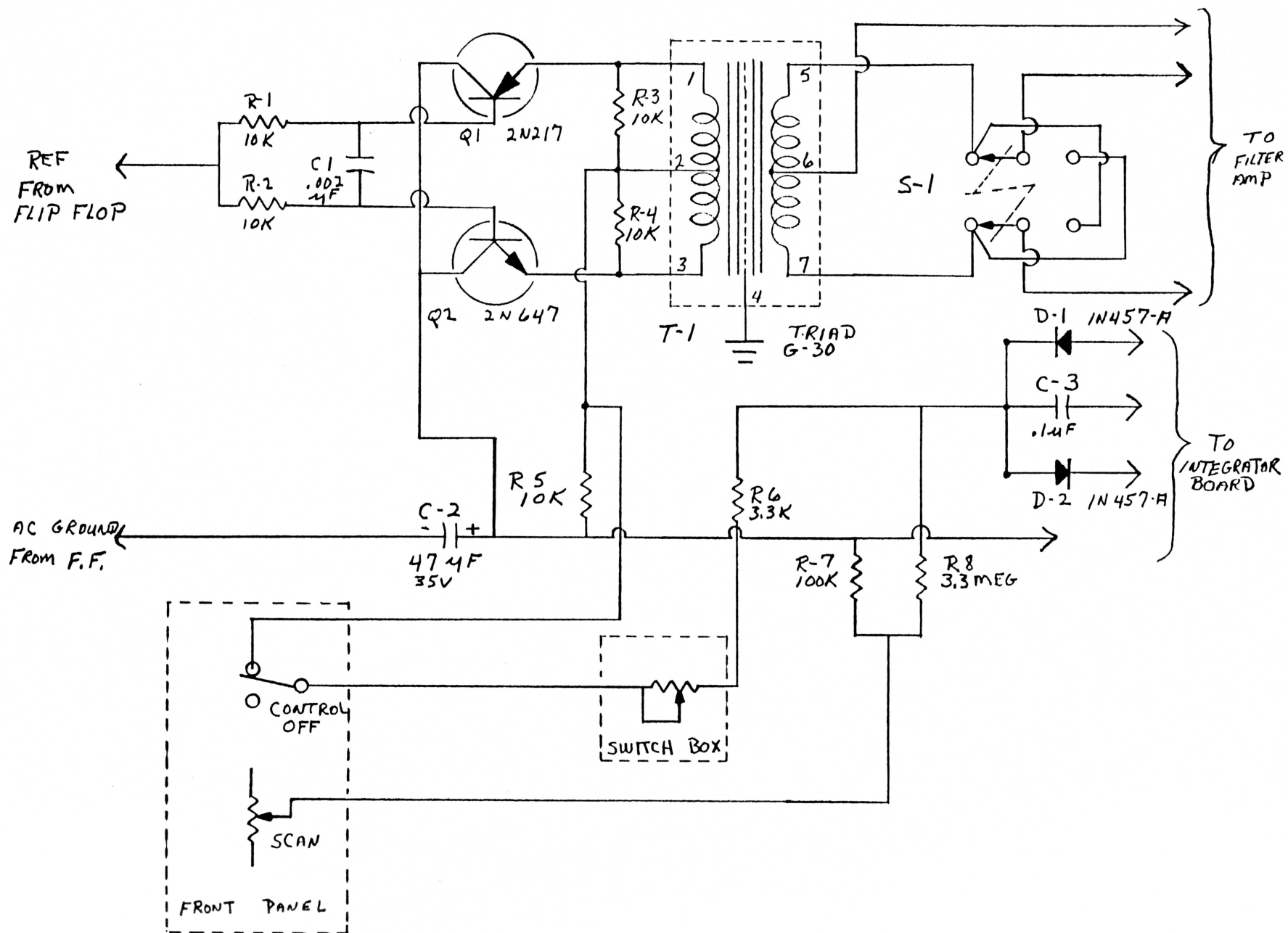
214 C.P.S. OSCILLATOR AND
SCHMITT TRIGGER SCHEMATIC
CIR 20020



FLIP FLOP MULTIVIBRATOR SCHEMATIC
SK-26039



PHASE SHIFTER SCHEMATIC
SK-26942

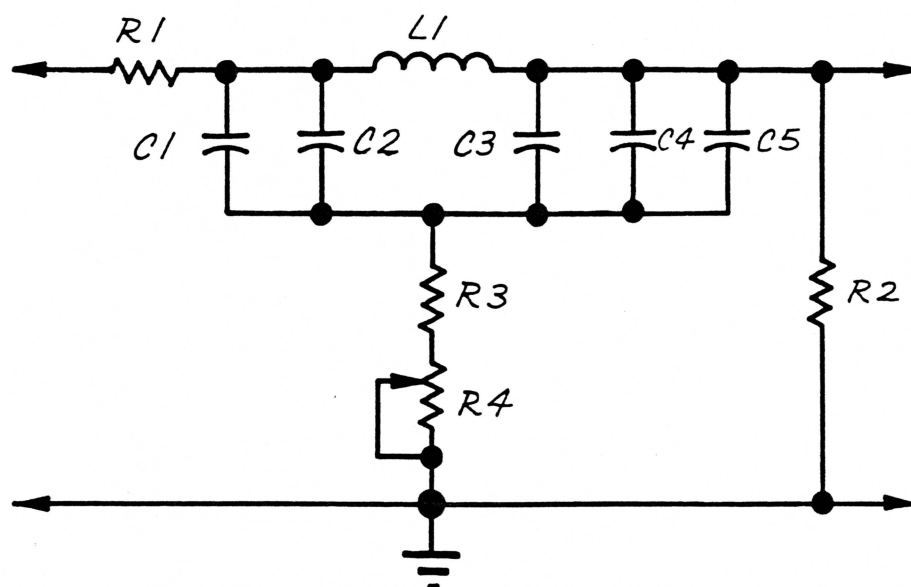


PHASE DETECTOR SCHEMATIC
SK-26943

DASH NO.	TYPE OR MODEL	NEXT ASSEMBLY	REQ	PART NUMBER	MATERIAL	ITEM
	V-4700A					

A SK-27763

DO NOT SCALE DRAWING



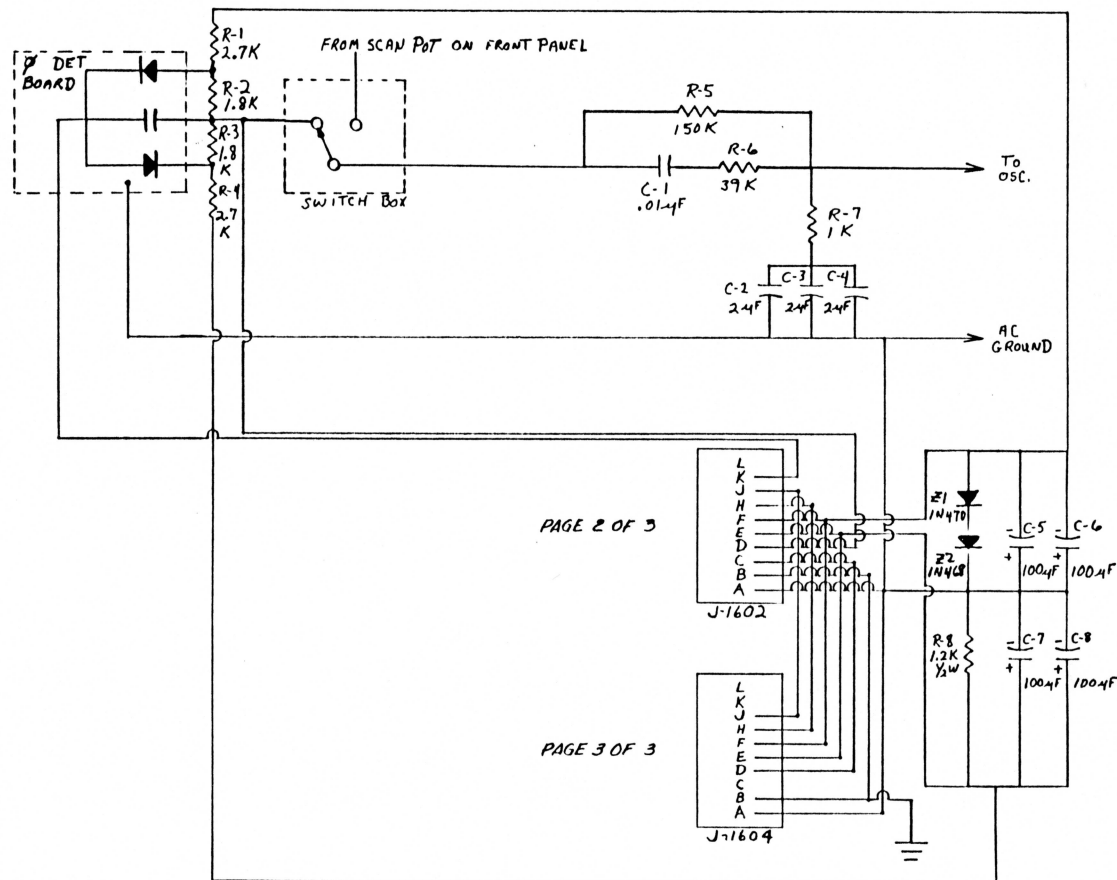
CHANGED FROM

NUM
ECO
DFT
CHK
DATE
REV

DRAWN W.W.HANDLEY	DATE 3/20/62	UNLESS OTHERWISE SPECIFIED:			
CHECKED	DATE	APPROVED	DATE	SCALE	FIN. <input checked="" type="checkbox"/>

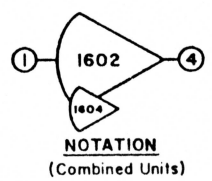
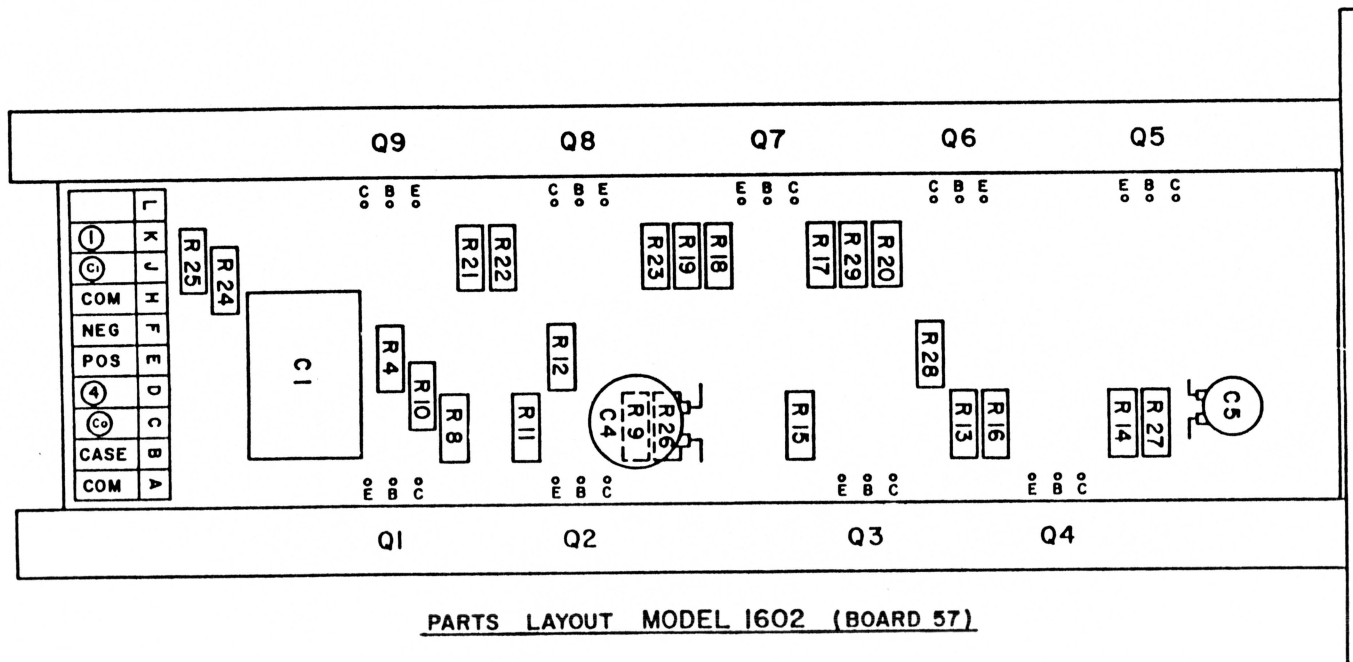
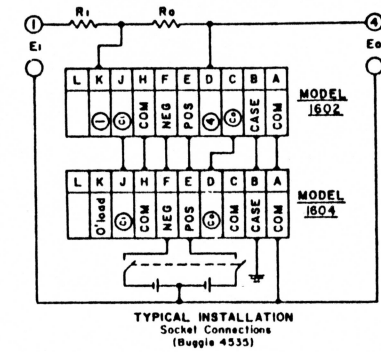
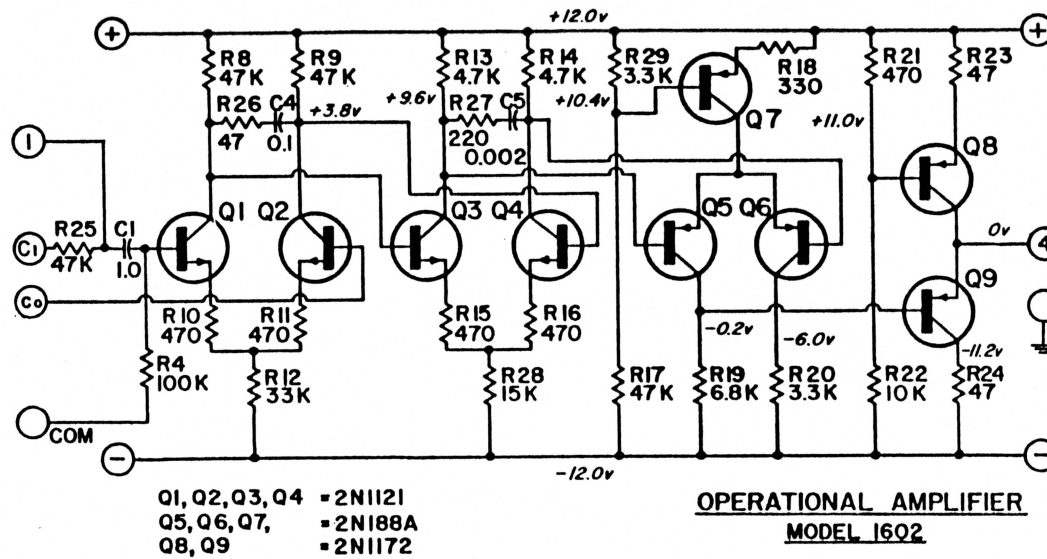
SERVO FILTER

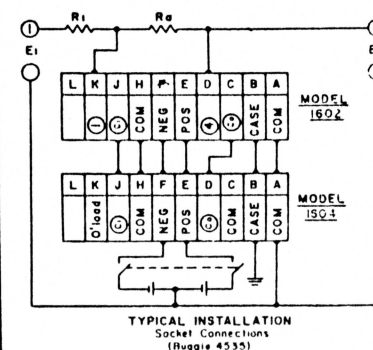
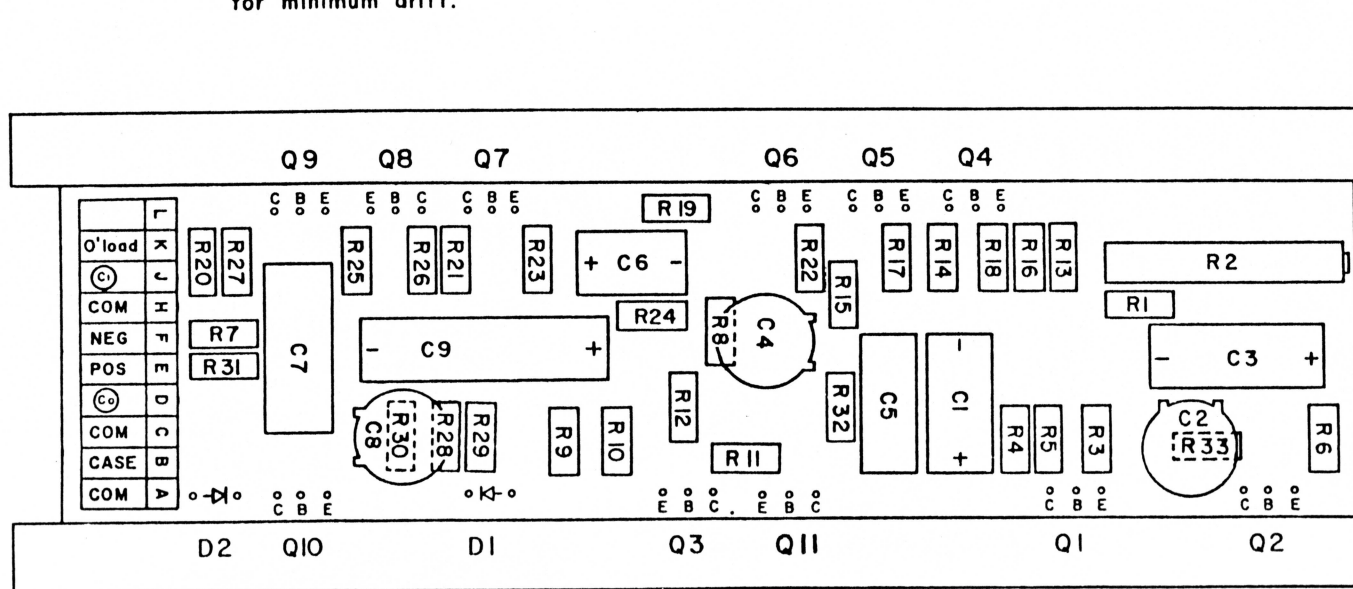
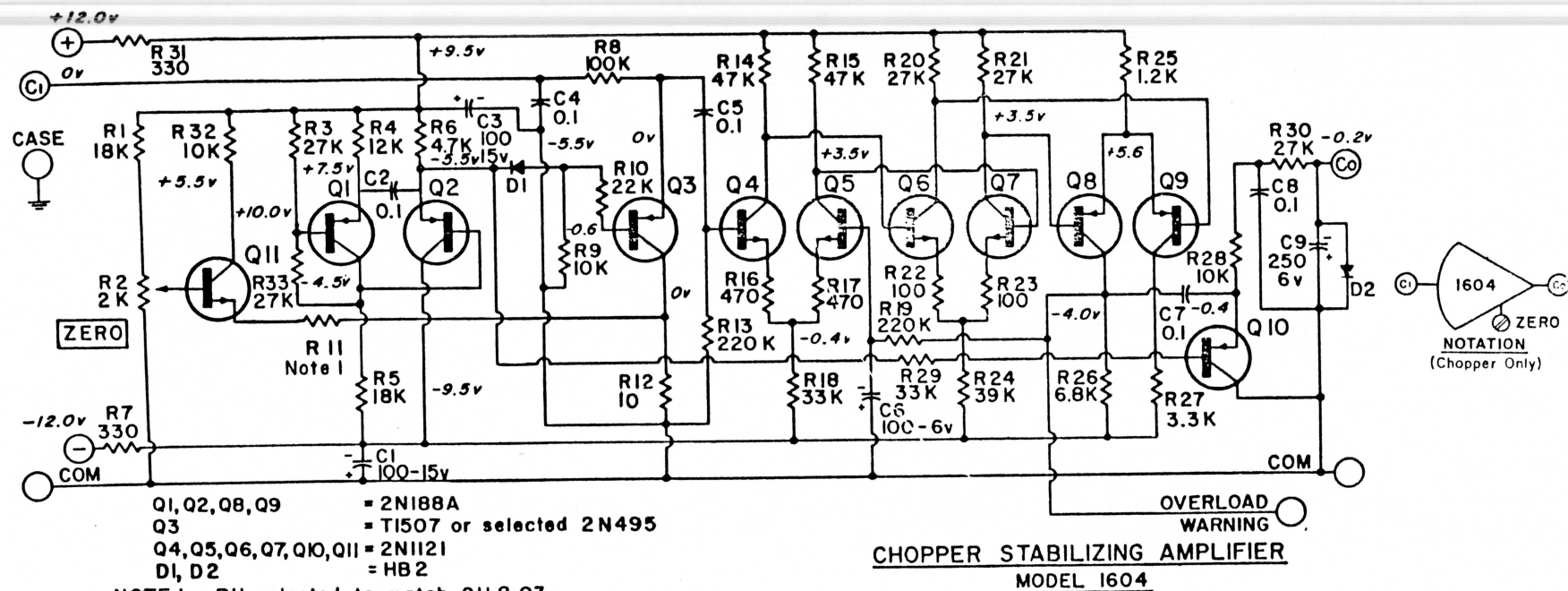
FINISH OR MFG SPEC	DIVISION	CLASS	CODE
VARIAN associates PALO ALTO 2, CALIFORNIA		A	SK-27763
SIZE	DRAWING NO.	REV	

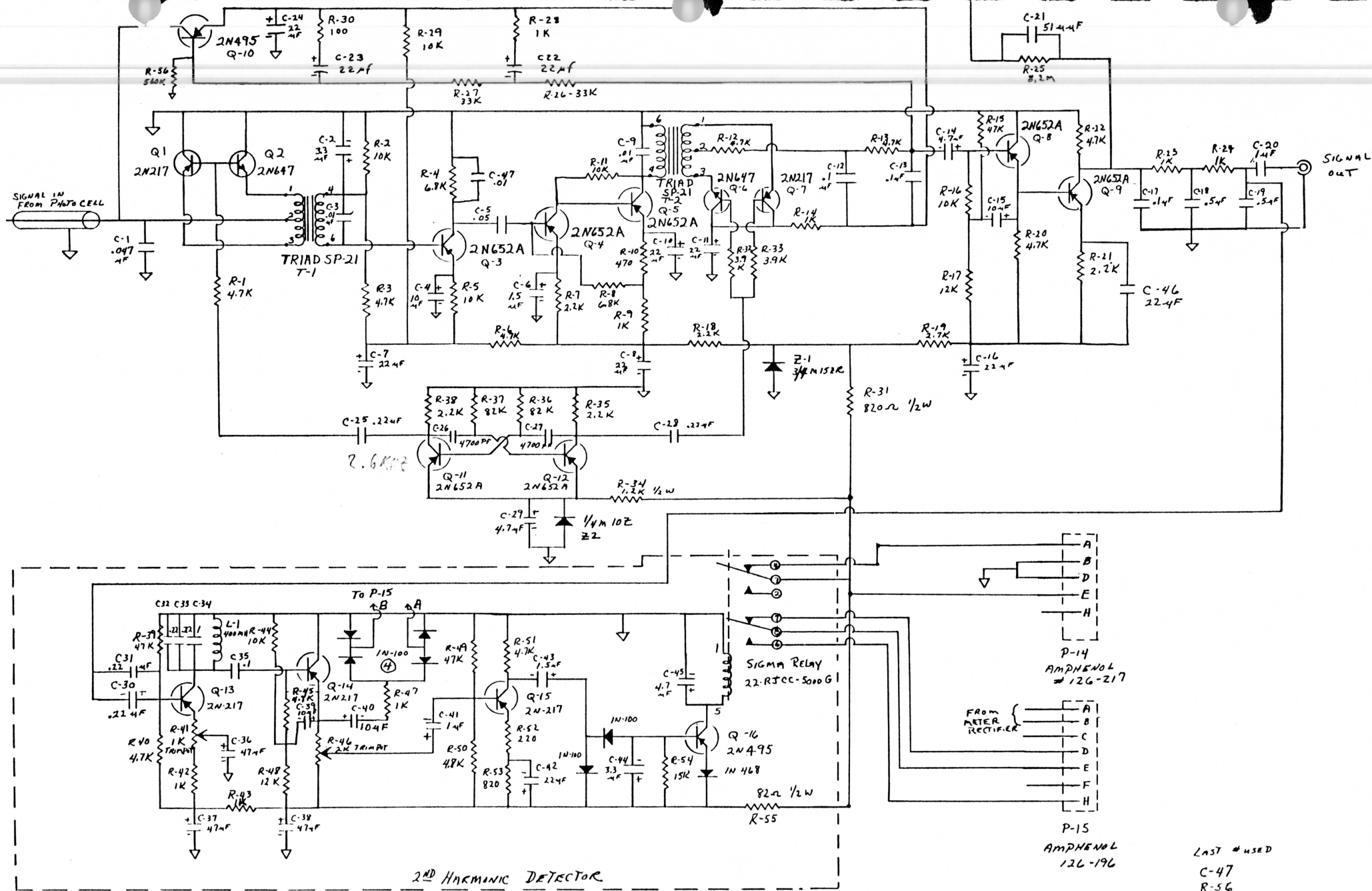


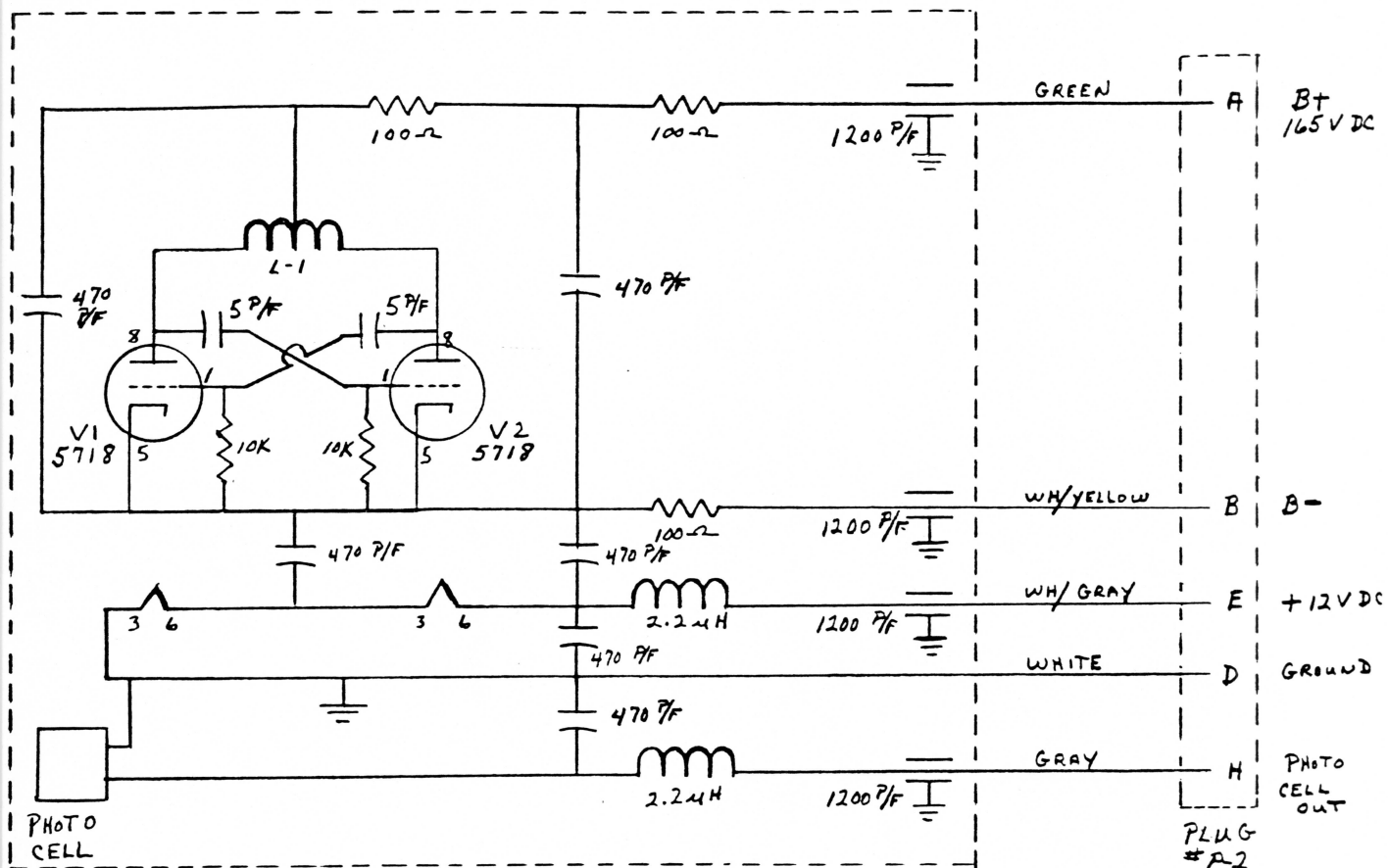
INTEGRATOR SCHEMATIC

SK-26941







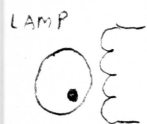


LAMP CASE

ALL GROUNDS CONNECT TO LAMP CASE

V-1, V-2 TYPE 5718

Rb LAMP EXCITER SCHEMATIC SK-27130



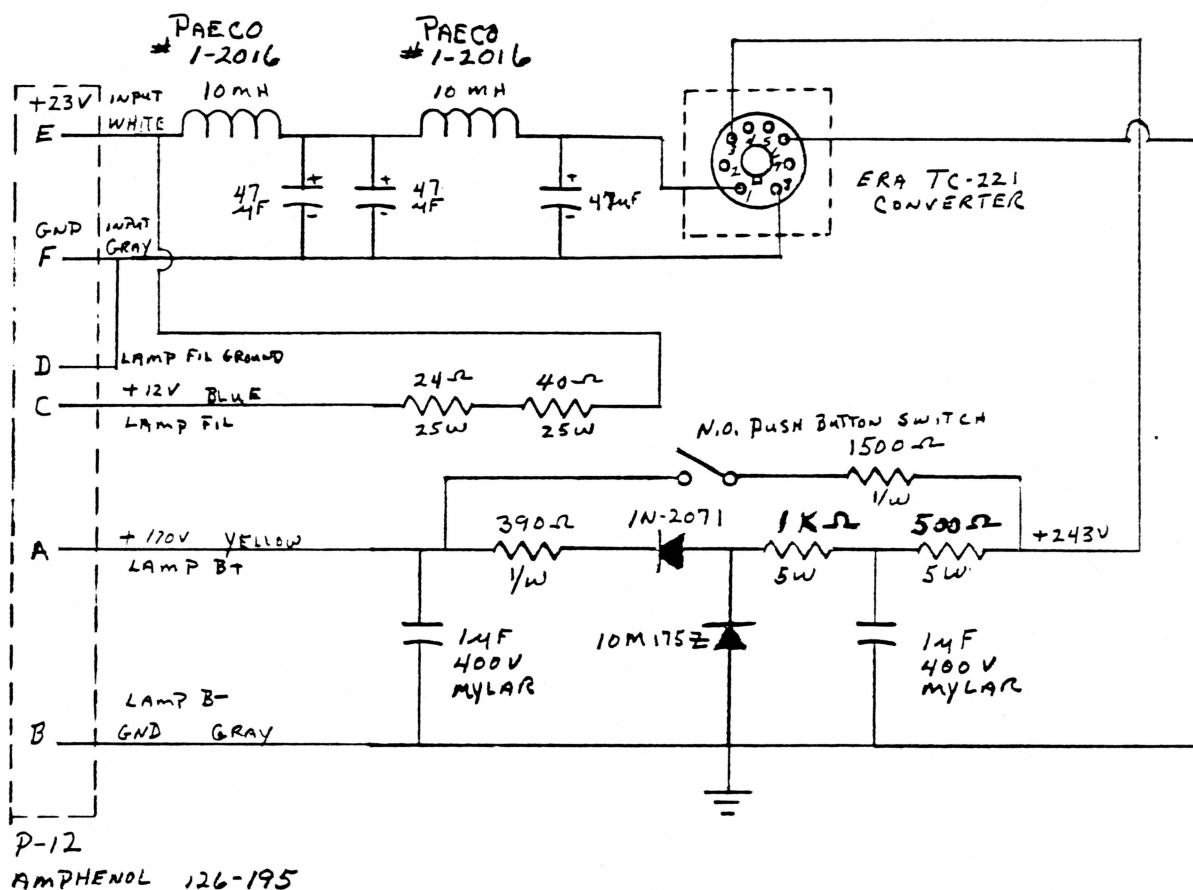
X4700

→ 423V IN

→ 423V RTN

→ 11

→ PHOTOCELL OUT

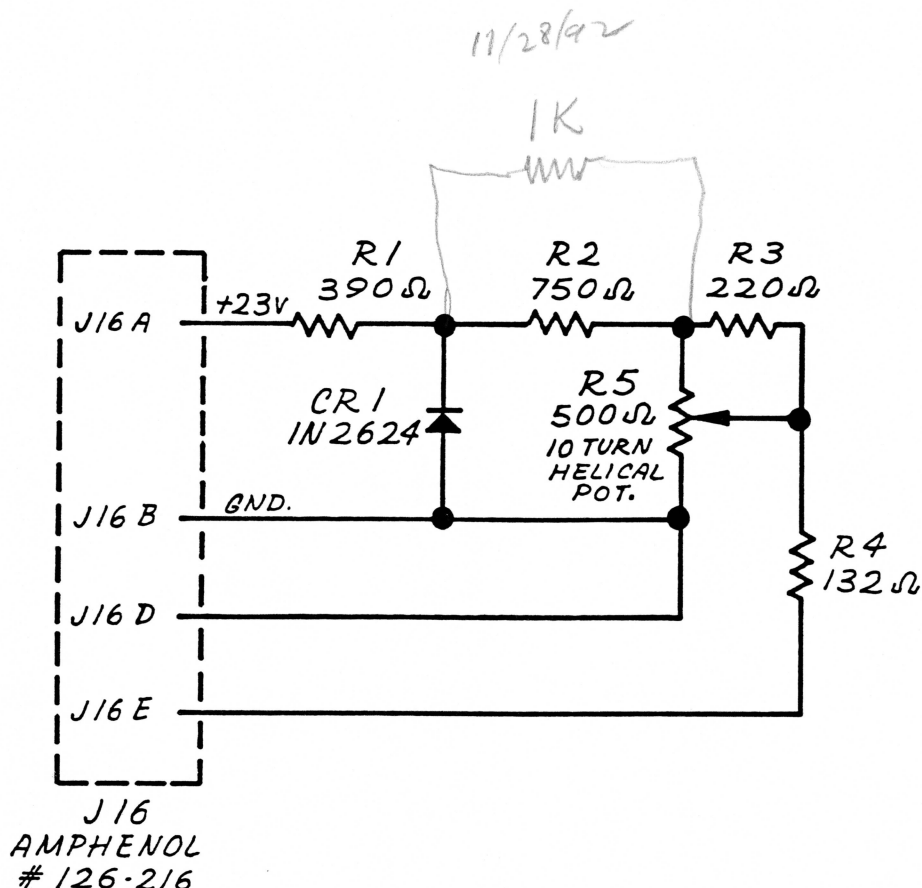


DC-DC CONVERTER SCHEMATIC
SK-27131

DASH NO.	TYPE OR MODEL	NEXT ASSEMBLY	REQ	PART NUMBER	MATERIAL	ITEM
	V-4700A					

A SK-27/32 R

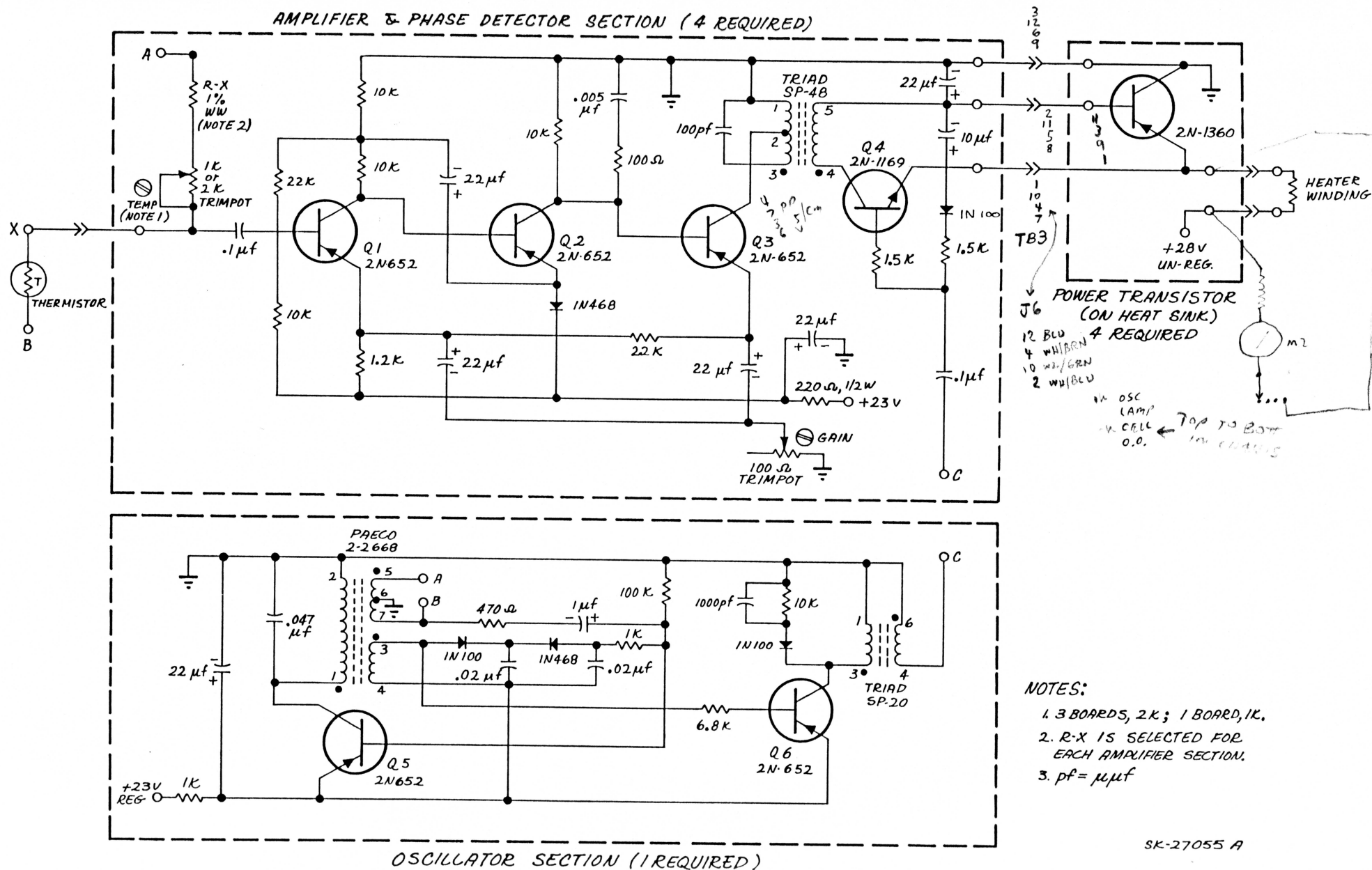
DO NOT SCALE DRAWING



R2 WAS 820Ω R3 WAS 200Ω R4 WAS 100Ω THIS REVISION APPLIES TO X-4700, #3 & SUBSEQUENT UNITS		DRAWN W.W. HANDLEY		DATE 3/20/62		UNLESS OTHERWISE SPECIFIED:					
		CHECKED		DATE		FRAC ± APPROVED		DEC ± DATE		ANG ± SCALE	
		<h2>FIELD BIAS SCHEMATIC</h2>									
		FINISH OR MFG SPEC				DIVISION		CLASS		CODE	
NUM ECO DFT CHK DATE REV		W.W. HANDLEY 3/20/62 A		VARIAN associates PALO ALTO 2, CALIFORNIA		A		SK-27/32		A	
						SIZE		DRAWING NO		RE	

- CHANGED FROM

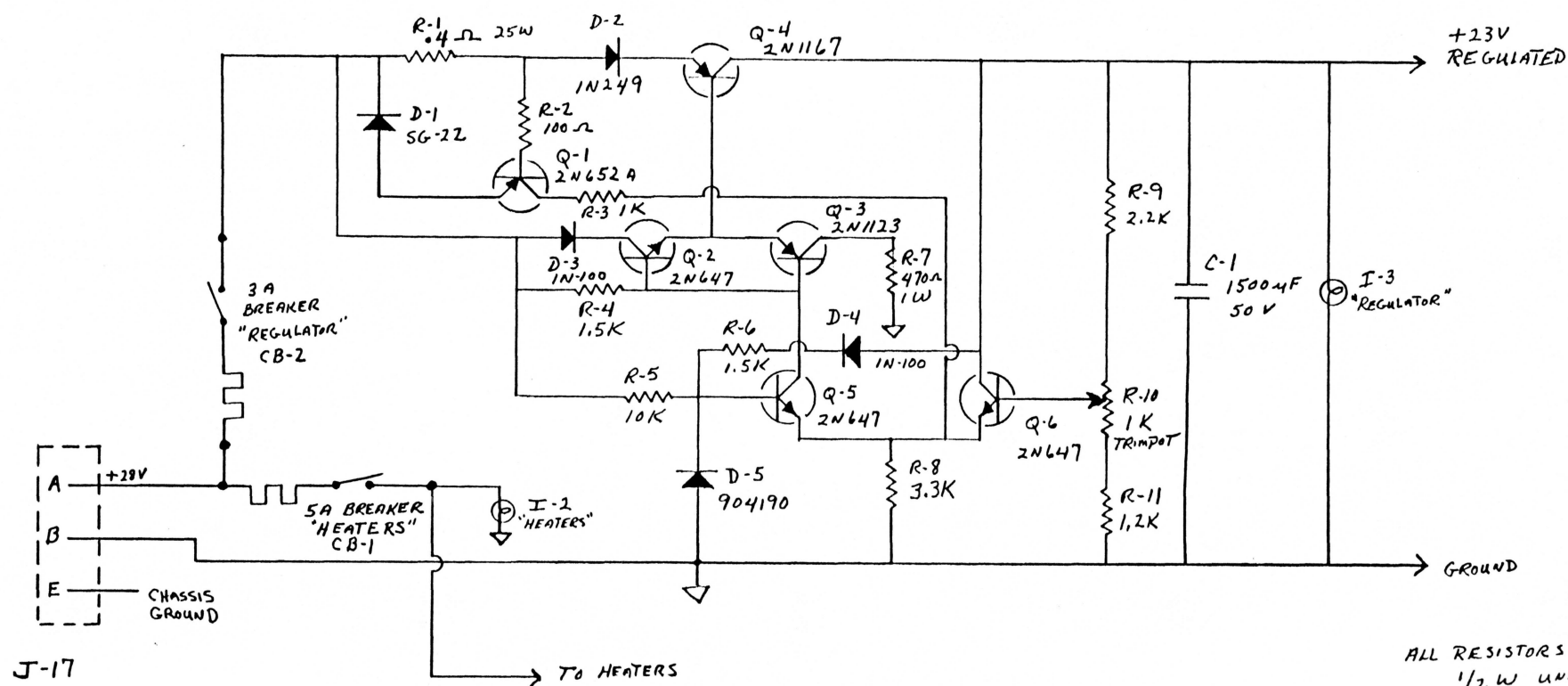
U.S. AIR FORCE 44-38859-25



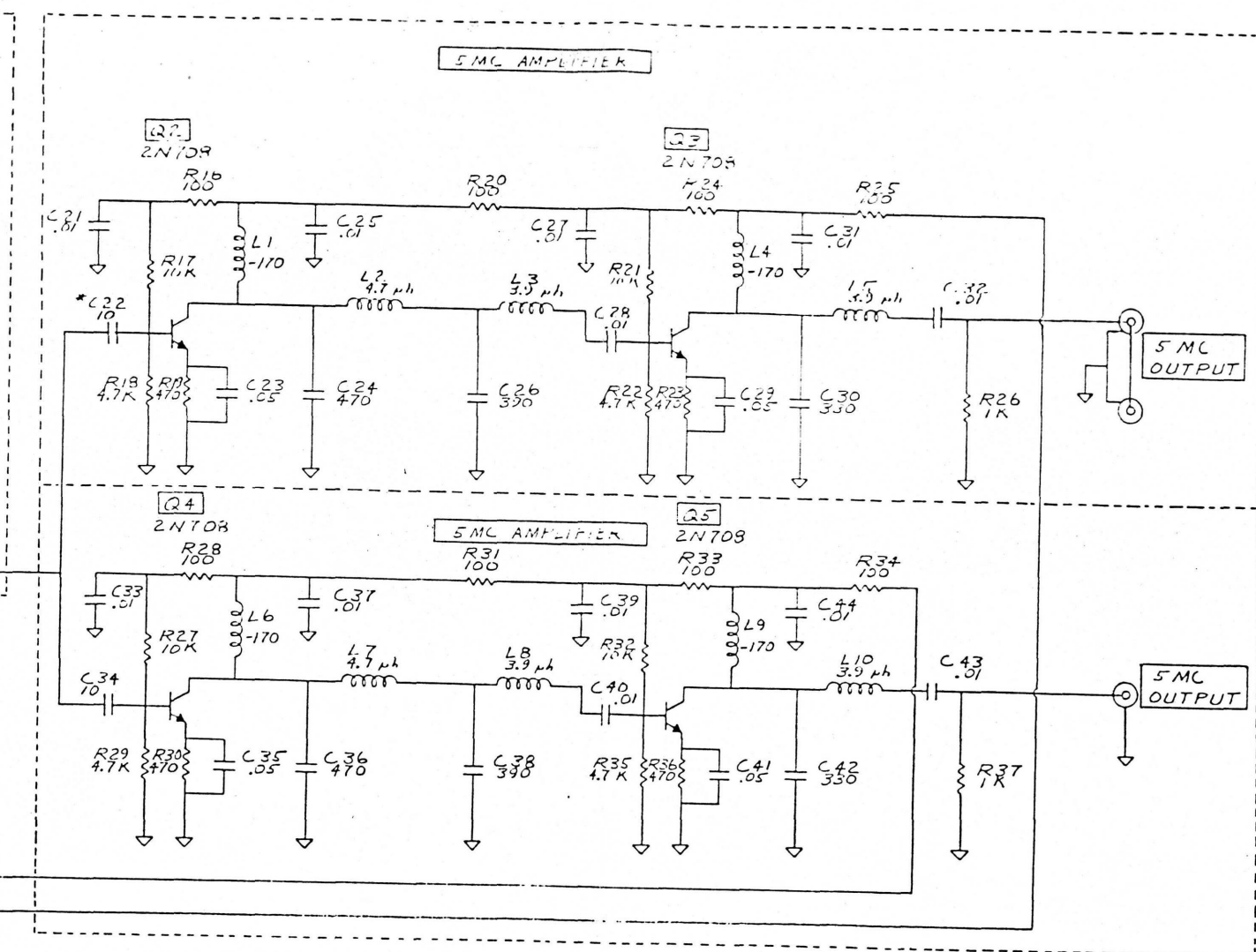
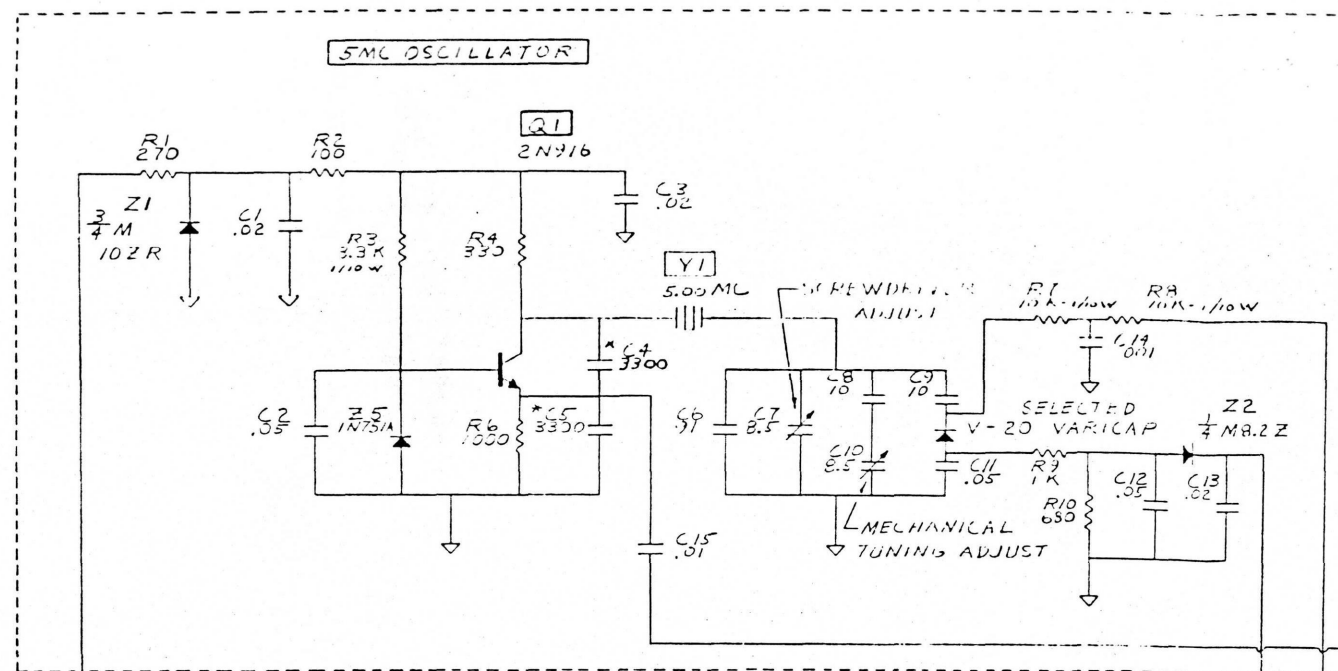
TEMPERATURE CONTROLLER SCHEMATIC

SK-27055 A

SK-27055 A

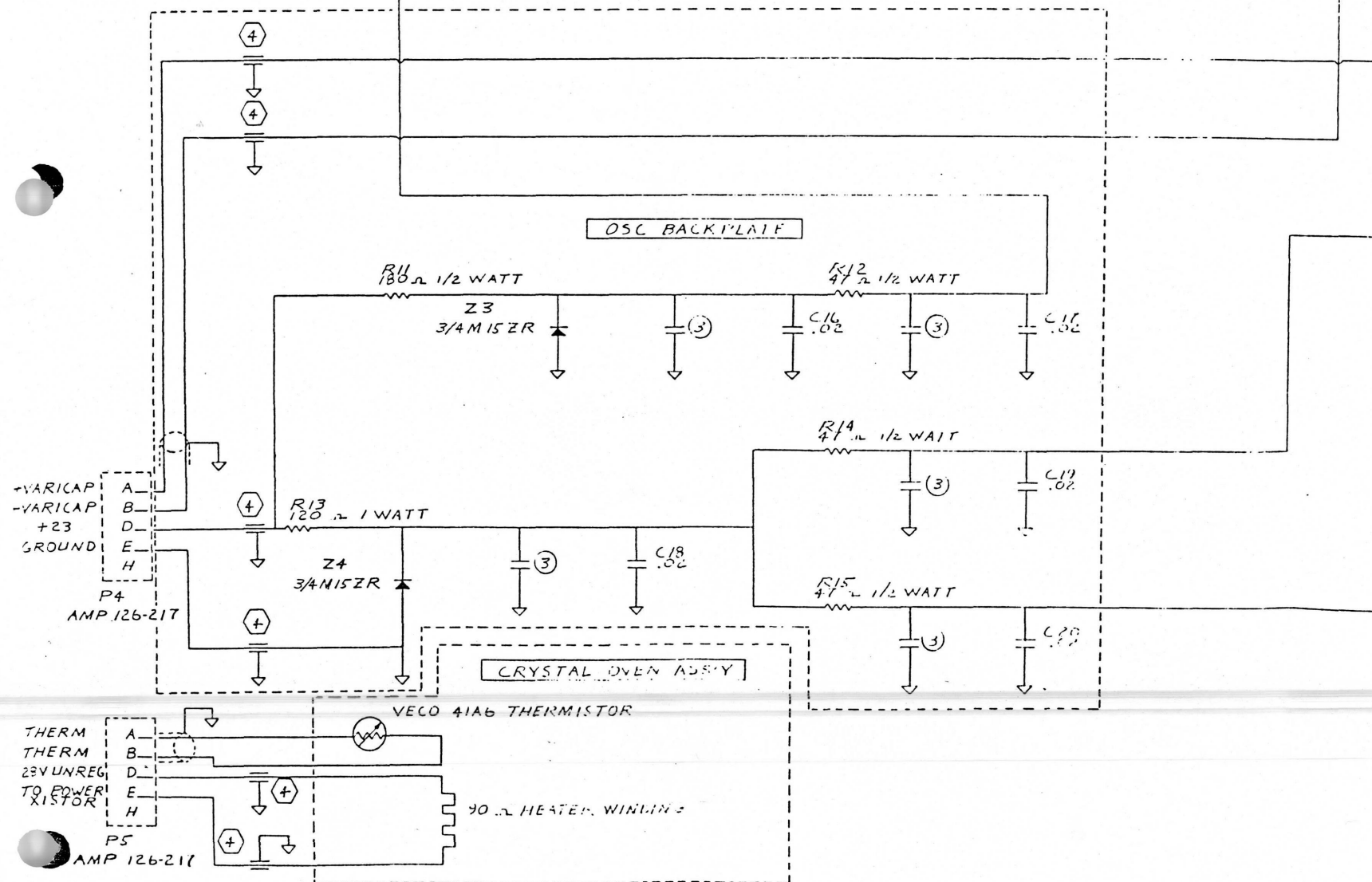


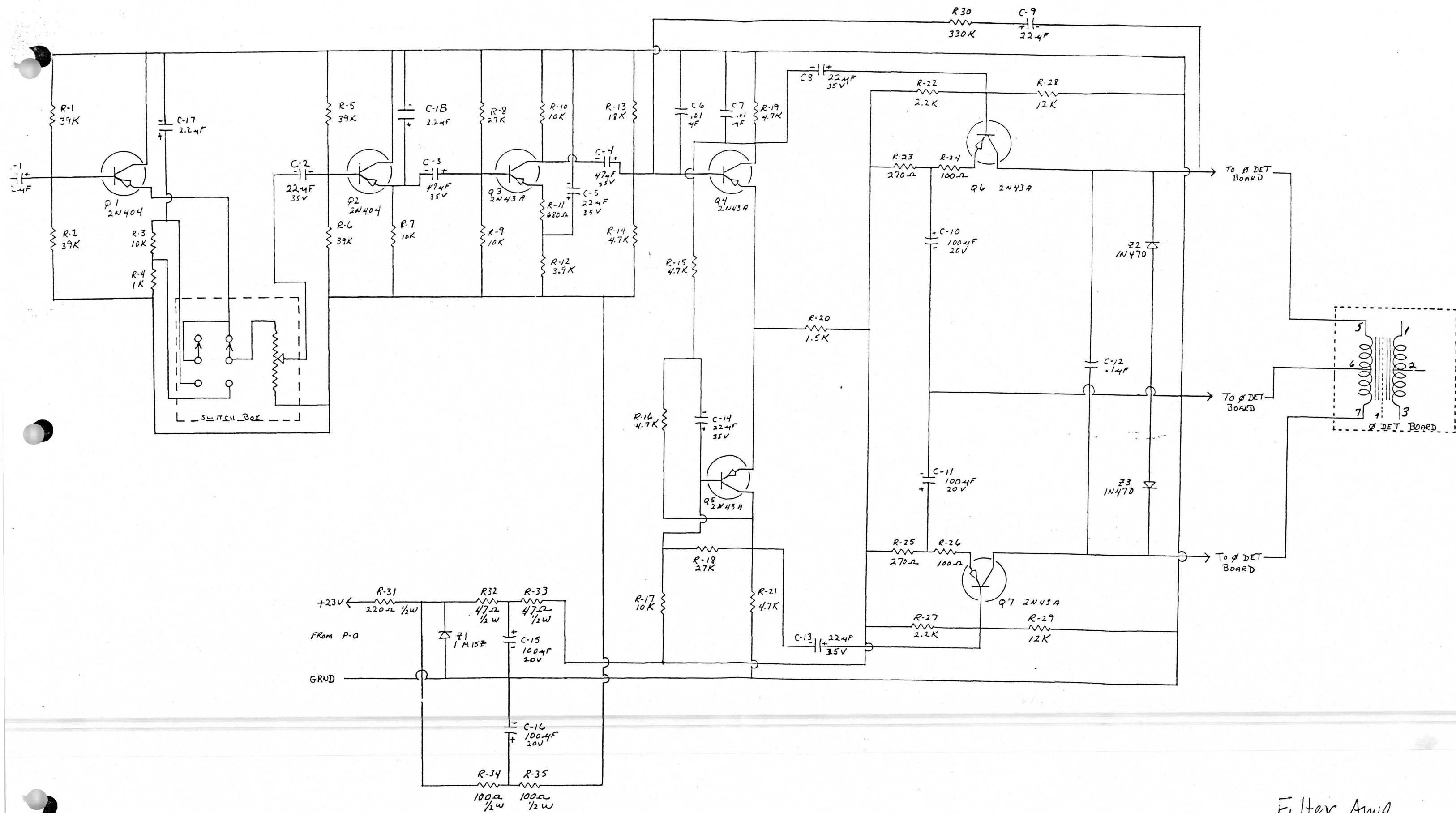
VOLTAGE REGULATOR SCHEMATIC
SK-27152



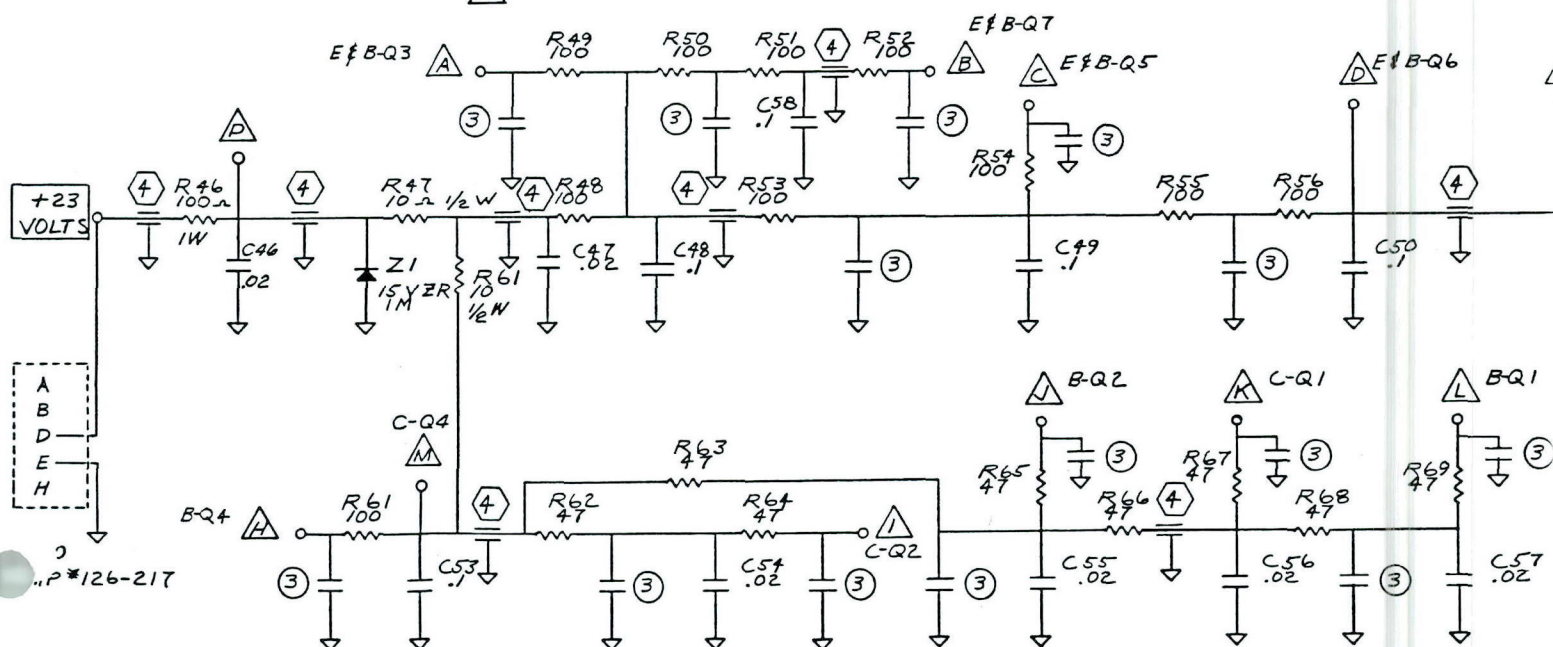
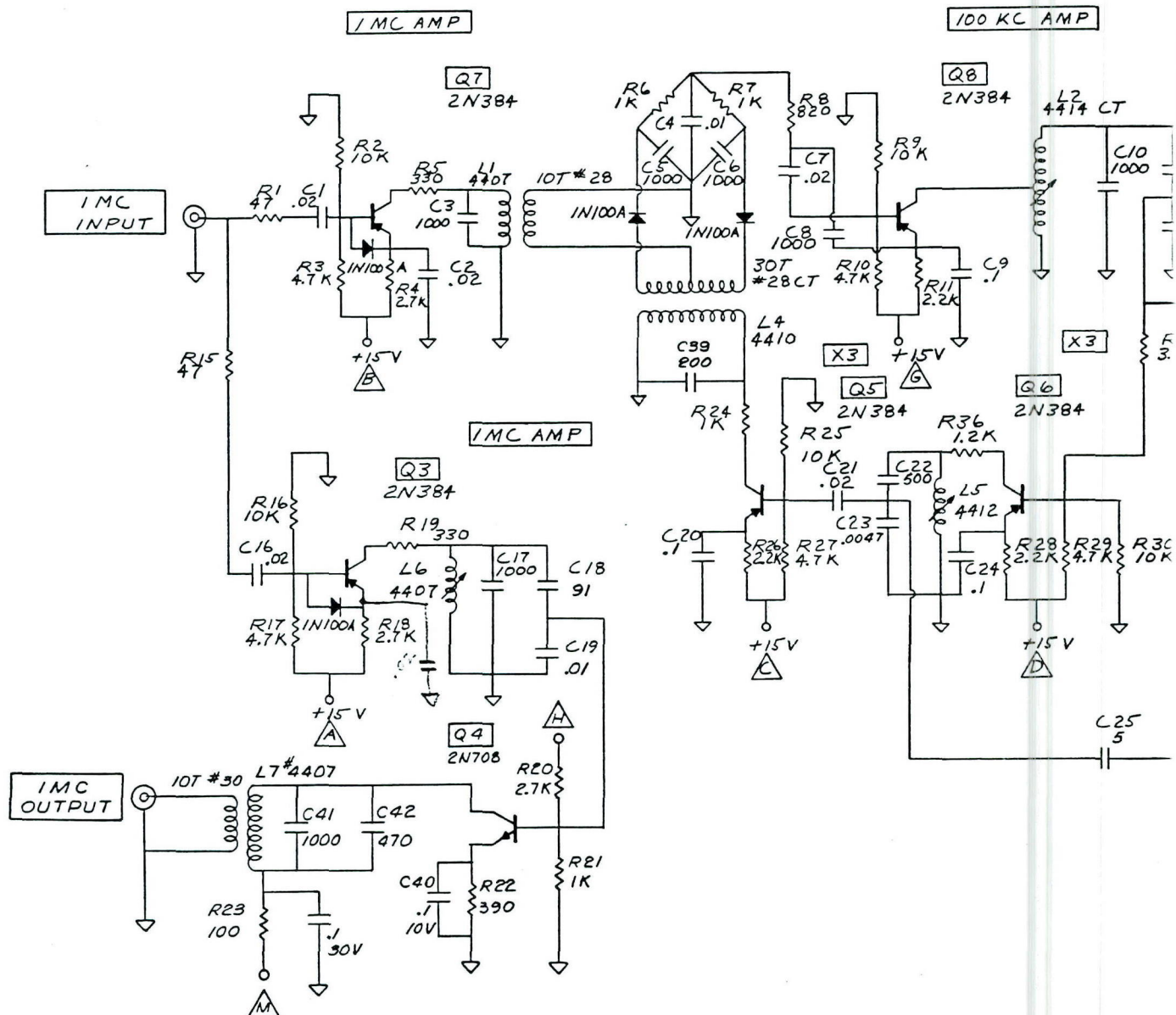
NOTE-

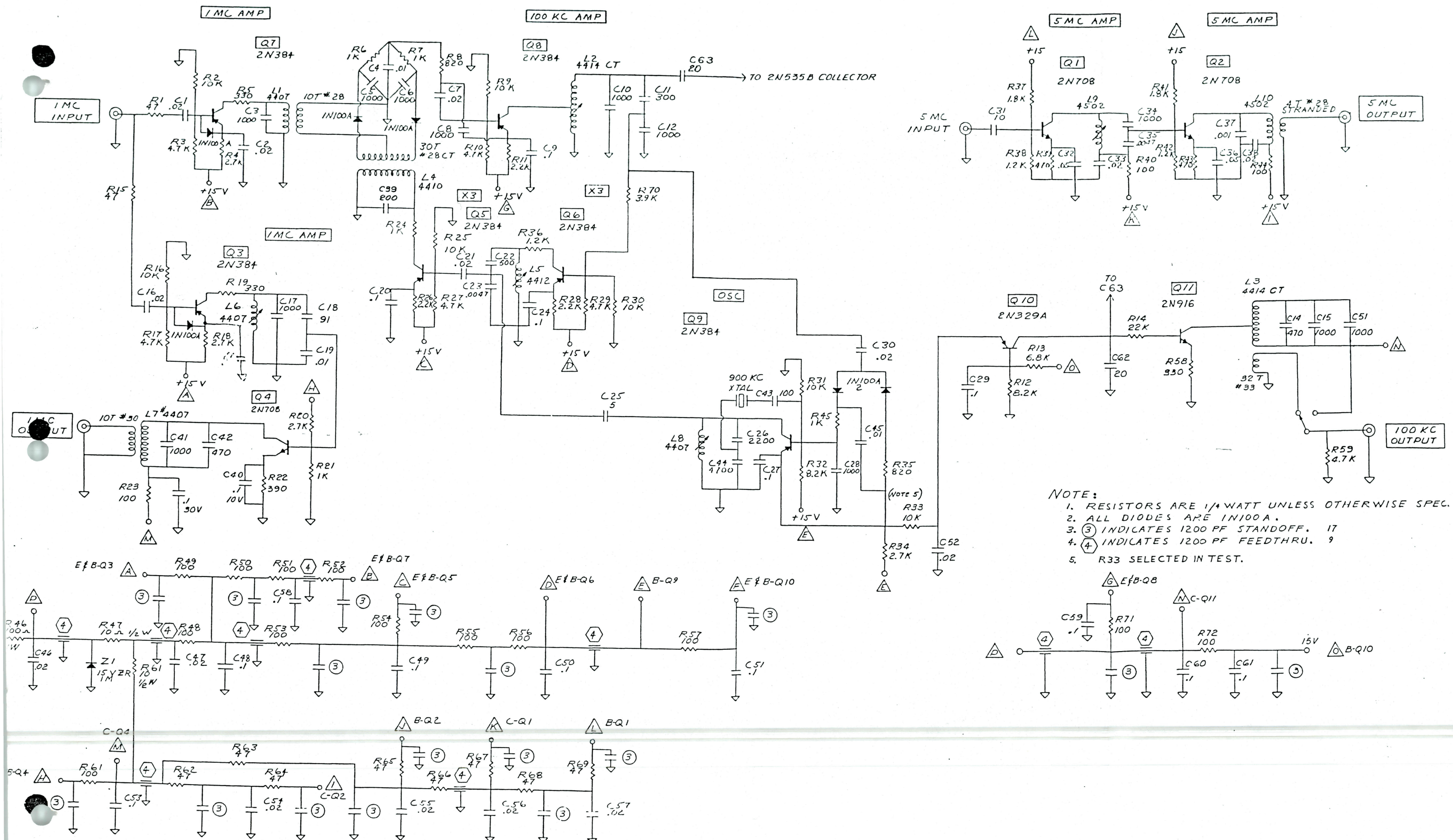
1. * EXACT VALUE TO BE SELECTED IN TEST.
2. RESISTOR VALUES ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED.
3. (3) INDICATES 1200 PF STANDOFF -5
4. (4) INDICATES 1200 PF FEED THRU -6
5. L1, L4, L6, L9 CORES ARE MICROMETALS T30-4 & ARE FULL WOUND WITH #32 FORMVAR WIRE TO RESONATE WITH 170 PF AT 5 MC.
6. DOTTED LINES INDICATE SEPARATE ASS'YS.



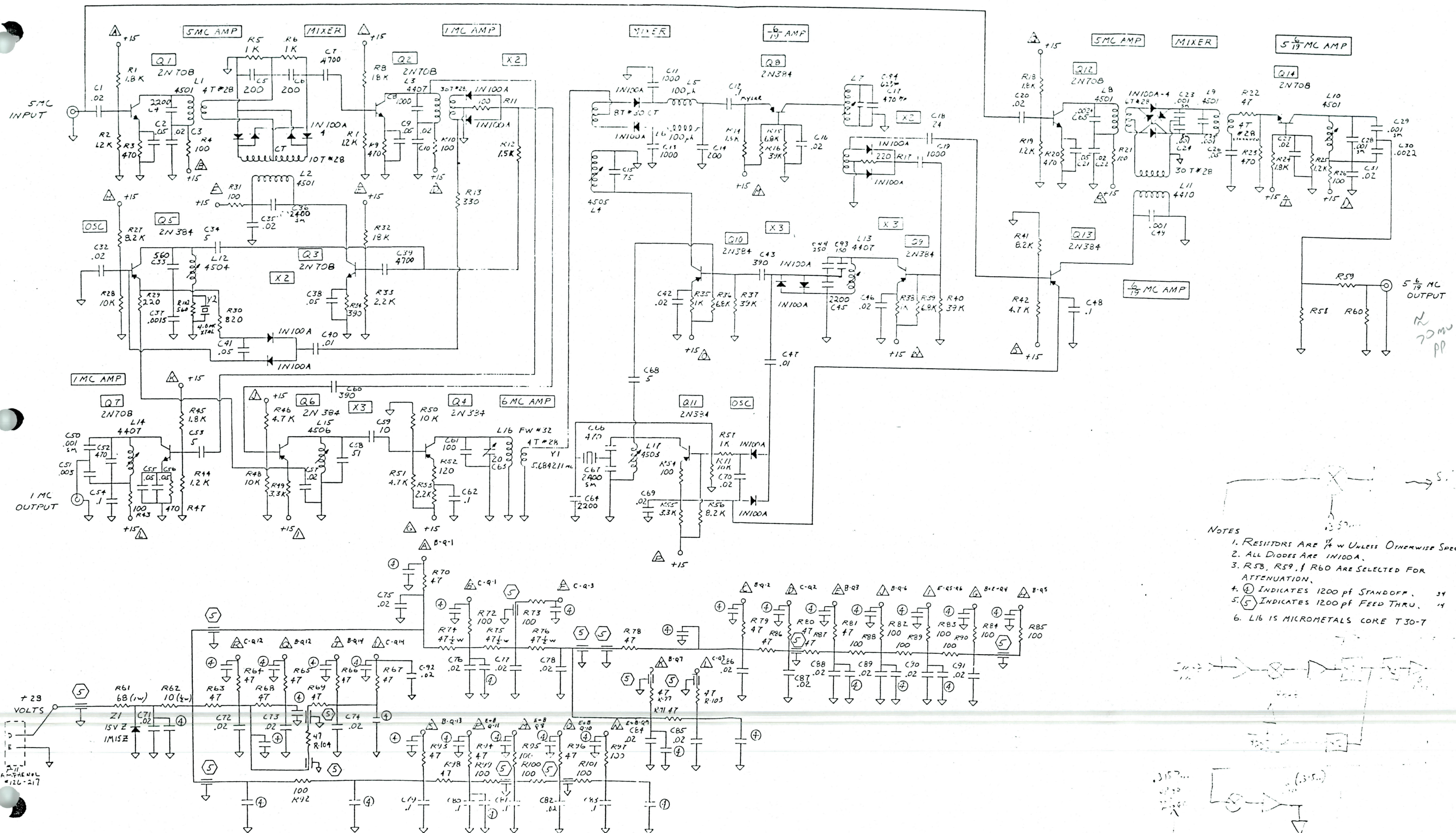


Filter Amp





BUFFER BOX SCHEMATIC FOLDOUT
5 MC OUTPUT (SK-27153A)



- NOTES
1. RESISTORS ARE $\frac{1}{4}$ W UNLESS OTHERWISE SPEC.
 2. ALL DIODES ARE 1N100A.
 3. R58, R59, & R60 ARE SELECTED FOR ATTENUATION.
 4. (4) INDICATES 1200 pF STANDOFF.
 5. (5) INDICATES 1200 pF FEED THRU.
 6. L16 IS MICROMETALS CORE T30-T

SYNTHESIZER SCHEMATIC
SK-27021

